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jc949 U.S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket No.
17857.4

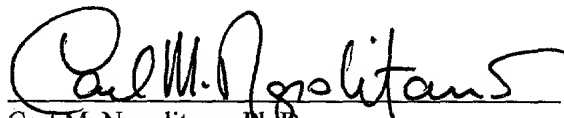
TO THE COMMISSIONER OF PATENTS AND TRADEMARKS:

Transmitted herewith is a Continuation Patent Application under 37 CFR §1.53(b)(1) of
MARTIN HERING

for TURNSTILE ADVERTISING DISPLAY DEVICE

Enclosed are:

- ☒ Specification [44 pages]
- ☒ Drawings [12 sheets]
- ☒ Declaration and Power of Attorney from Parent Application [2 pages]
- ☒ Applicant claims small entity status. See 37 CFR 1.27.
- ☒ Preliminary Amendment [2 Pages including 1 claim]
- ☒ A Statement Claiming Priority from Application Serial No. 09/309,025 Dated 5/10/1999, the Disclosure of Which Is Hereby Incorporated by Reference, Is Being Added to the Specification Through the Attached Preliminary Amendment .
- ☒ The Commissioner Is Given No Fee and No Authorization to Charge Deposit Account.

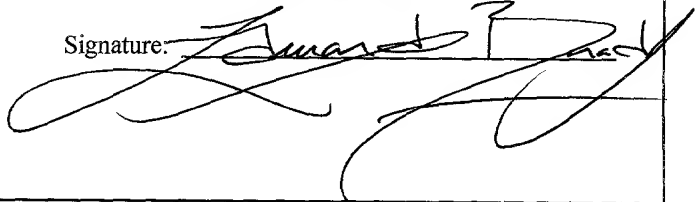

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November 2, 2000
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Date of Deposit: November 2, 2000

Name: Edward Bradley

Signature: 

jc930 U.S. PTO
09/705152
11/02/00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

MARTIN HERING

Serial No. To Be Assigned

Filing Date: Filed of Even Date Herewith

For: **INDICIA DEVICE FOR TURNSTILE AND
METHOD OF USE**

Asst. Commissioner for Patents
Washington, D.C. 20231

Sir:

PRELIMINARY AMENDMENT

Prior to examination of this continuation application of Serial No. 09/309,025 identified above, please enter the amendments and remarks set forth below.

IN THE SPECIFICATION:

Page 1, after the title and the BACKGROUND OF THE INVENTION, Please strike the CROSS REFERENCE TO RELATED APPLICATION and insert the following new Cross Reference:

--CROSS REFERENCE TO RELATED APPLICATION

This application is a continuation of and hereby incorporates by reference the disclosure of co-pending application Serial Number 09/309,025, filed May 10, 1999, which itself is a continuation of application Serial Number 08/740,879, filed November 4, 1996, U.S. Patent No. 5,979,113, which itself is a continuation-in-part of application Serial Number 08/450,496 filed May 26, 1995, U.S. Patent No. 5,570,541, which is a continuation-in-part of application Serial Number 08/189,802 filed on February 1, 1994, U.S. Patent No. 5,430,974, all of which are commonly owned with the present invention.--

IN THE CLAIMS:

Please cancel originally filed claims 1-37 and insert the following new claim 38:

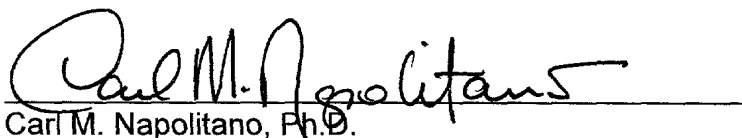
-- 38. An advertising method including a turnstile having an arm rotatably carried thereby for blocking a passageway, the method comprising displaying advertising indicia on the arm for viewing by a person moving through the passageway.--

REMARKS

Original Claims 1-37 have been cancelled. New claim 38 has been added. A verified copy of the original specification, claims, and declaration and power of attorney are enclosed.

If further prosecution of this application can be facilitated through a telephone conference between the Examiner and the undersigned, the Examiner is requested to telephone the undersigned at the Examiner's convenience.

Respectfully submitted,



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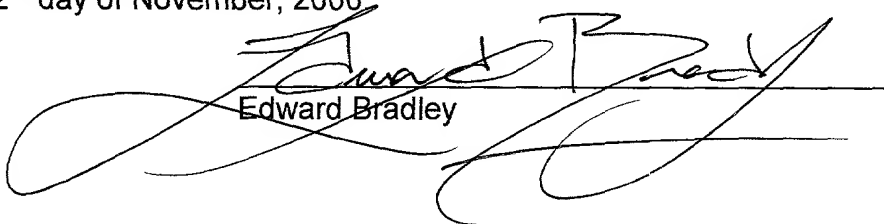
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CERTIFICATE OF EXPRESS MAILING

I hereby certify that the foregoing is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR § 1.10, addressed to the Assistant Commissioner for Patents, Washington D. C. 20231, Express Mail No. EL483668649US, this 2nd day of November, 2000.



Edward Bradley

INDICIA DEVICE FOR TURNSTILE AND METHOD OF USE

BACKGROUND OF THE INVENTION

Cross-Reference to Related Applications

5 This application is a continuation-in-part of application Serial Number 08/450,496 filed May 26, 1995 for Indicia Device For Turnstile And Method Of Use, which is a continuation-in-part of application Serial Number 189,802 filed on February 1, 1994 issuing as U.S. Patent No. 5,430,974, each commonly owned with the present invention.

Field of the Invention

10 This invention relates to methods and devices for displaying indicia. More particularly, the present invention relates to advertising on turnstiles. In a further and more specific aspect, the present invention concerns a device
15 apparatus containing visual information mounted on the arms of turnstile.

The Prior Art

20 Access to public as well as many private facilities is often controlled by devices conventionally referred to as turnstiles. Turnstiles consist of a housing placed in an accessway to define a narrow passageway. This passageway is controlled by an arm extending thereacross. In order to move through the passageway, the arm of the turnstile must be moved aside. Typically, turnstiles have a revolving plate mounted in the housing from which a

number of arms extend. An individual moves into the arm presently blocking the passageway, and moves it down and away, rotating the rotating plate. The individual is now free to progress through the passageway, with a subsequent arm rotating up behind the individual to block the passageway from following individuals.

Turnstiles work well to control the flow of a crowd and/or charge and collect admission. However, they also use a large amount of space which could be used for other purposes. Specifically, at the present time, space is at a premium for advertisements. Advertisements generate a large volume of revenue in public event facilities, and are very much an integral portion of our society. Advertisements inform as well as entice individuals. High visibility locations in which to advertise are continually being sought, with prime location subject to a great deal of competition between advertisers.

Advertisements are presented in a wide variety of ways, the most common of which are placing posters in a case or simply tacking a poster to a wall. These are traditional and well established methods, however, these methods are limited by the amount of wall space available. Recently, Video monitors have been used to provide a plurality of ever changing advertisements. This method, while very effective, is also very expensive. Generally speaking, advertisements are prevalent throughout society, with most available space already allocated for advertisements. While there may be some space available, it is generally not highly desirable, being out of the way or less visible than preferred.

Turnstiles occupy a position which is highly trafficked, since everyone must pass through the turnstiles, and highly visible since most people look at the turnstile as they pass through. Conventional turnstiles, however, do not take advantage of their premier location, and while they perform their blocking functions admirably, take up advertising space, and more importantly, take peoples eyes off wall advertisements as they concentrate on passing the turnstile.

It would be highly advantageous, therefore, to remedy the foregoing and other deficiencies inherent in the prior art.

SUMMARY OF THE INVENTION

Accordingly, it is an object of the present invention to provide a new and improved turnstile.

5 Another object of the present invention is to provide an indicia device for use on a conventional turnstile.

And another object of the present invention is to provide a method of advertising on a turnstile.

10 Still another object of the present invention is to provide a relatively inexpensive and highly effective method of advertising.

Yet another object of the present invention is to provide a relatively inexpensive indicia device for use on turnstiles.

Yet still another object of the present invention is to provide an indicia device easily installable on substantially any turnstile apparatus.

15 A further object of the present invention is to provide an indicia device in which the indicia may be readily changed.

And a further object of the present invention is to provide an indicia device which can be readily attached without alteration to the turnstile and with conventional tools.

20 Yet a further object of the present invention is to provide an indicia device which can be constructed of conventional materials using conventional techniques.

And yet a further object of the present invention is to provide an indicia device which can be constructed in a variety of configurations to meet an individual users criteria.

Briefly, to achieve the desired objects of the present invention in accordance with a preferred embodiment thereof, provided is a turnstile comprising a housing, an arm rotatably carried by the housing, a cover removably affixed to the arm, and indicia carried by the cover. The arm extends into a passageway adjacent the housing and the indicia is positioned for viewing by persons moving through the passageway. The indicia device includes a tubular sleeve carrying the indicia which is receivable about the arm. The indicia device also includes coupling means for coupling the sleeve to the arm.

In a preferred embodiment, the cover comprises a transparent tubular sleeve. Further, a sheet having the indicia thereon is inserted within the tubular sleeve for viewing the indicia therethrough.

The coupling means includes a collar configured to adjustably and securely engage the arm and an attachment member for attaching the arm receiving end of the tubular sleeve to the collar. The collar includes an arm securing portion for coupling the collar to the arm, a sleeve securing portion for securing the tubular sleeve to the collar and a bore extending through the arm securing portion and the sleeve securing portion for receiving the arm.

BRIEF DESCRIPTION OF THE DRAWINGS

The foregoing and further and more specific objects and advantages of the instant invention will become readily apparent to those skilled in the art from the following detailed description of a preferred embodiment thereof, taken
5 in conjunction with the drawings, in which:

FIG. 1 is a perspective view illustrating a turnstile device;

FIG. 2 is a perspective view illustrating an indicia device constructed in accordance with the teachings of the present invention as it would appear
10 installed on the turnstile device of FIG. 1;

FIG. 3 is an isometric view of the indicia device of FIG. 2;

FIG. 4 is an exploded view of the indicia device of FIGS. 2 and 3;

FIG. 5 is an isometric view of an alternate embodiment of an indicia device;
15

FIG. 6 is an exploded view of the indicia device of FIG. 5;

FIG. 7 is an isometric view of another embodiment of an indicia device constructed in accordance with the teachings of the present invention;

FIG. 8 is an exploded view of the indicia device of FIG. 7;

FIG. 9 is a sectional view taken along line 9-9 of FIG. 7;

FIG. 10 is an isometric view of another embodiment of an indicia device constructed in accordance with the teachings of the present invention;
20

FIG. 11 is an exploded view of the indicia device of FIG. 10;

FIG. 12 is a sectional view taken along line 10-10 of FIG. 11;

FIG. 13 is an exploded view of another embodiment of an indicia device constructed in accordance with the teachings of the present invention;

FIG. 14 is a sectional view of the indicia device of FIG. 13.

5 FIG. 15 is an isometric view of a preferred embodiment of the present invention; and

FIG. 16 is a partial sectional view of the embodiment of FIG. 15 taken along line 16 - 16.

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DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Turning now to the drawings in which like reference characters indicate corresponding elements throughout the several views, attention is first directed to FIG. 1 which illustrates a turnstile device generally designated 10, consisting of a housing 12 opposed by an obstruction 13. Housing 12 and obstruction 13 define a passageway therebetween, alternately blocked by one of three arms 14, each having a free end 15. Arms 14 extend from a plate 17 rotatably mounted on housing 12 such that one of arms 14 extend across the passageway at any given time. As an individual moves through the passageway, the arm blocking the passageway is rotated out of the way allowing an individual to pass through. As the arm is moved, another arm rotates up behind the individual, again blocking the passageway.

Set forth for purposes of orientation and reference in connection with the ensuing detailed description of the preferred embodiment of the instant invention, the foregoing brief description of turnstile 10 is intended to be generally representative of typical, commercially available turnstiles. Details not specifically illustrated and described will be readily understood and appreciated by those skilled in the art.

With reference to FIG. 2, turnstile 10 is illustrated with indicia devices, generally designated 20, installed on arms 14. Indicia device 20 encloses arm 14, and contains visual information or indicia 22. Indicia 22 is preferably

positioned so as to be in proper orientation for viewing when arm 14 is in the blocking position. Identical or diverse indicia may be carried by individual indicia devices 20. If diverse indicia is employed between separate indicia device 20, each diverse indicia would be viewed as the appropriate arm rotates to the blocking position.

Still referring to FIG. 2, three separate indicia devices 20 are shown installed on three separate arms 14. One skilled in the art will understand that each arm need not be covered. Furthermore, a turnstile device may have more than three or less than three arms. One skilled in the art will understand that substantially any turnstile device having arms may be improved by the installation of one or more indicia devices 20.

Indicia device 20 is a generally tubular sleeve configured to fit over and enclose arm 14 as can be seen in FIG. 3. Indicia device 20 consists of a tubular sleeve 23 having an arm receiving end 24 and a free end 25. Arm receiving end 24 is closed by a collar 27 configured to receive arm 14 therethrough, and free end 25 is closed by an end cap 28. With additional reference to FIG. 4, collar 27 includes a sleeve securing portion having an outer portion 29 and an inner portion 30, and an arm securing portion 32. Outer portion 29 has a diameter substantially equivalent to the diameter of an outer surface 33 of tubular sleeve 23 and engages arm receiving end 24. Inner portion 30 has a diameter substantially equivalent to the diameter of an inner surface 34 of tubular sleeve 23, and is received in tubular sleeve 23 at arm

receiving end **24**. A groove **35** is circumscribed around the periphery of intermediate member **30** and contains a seal ring **37** which engages inner surface **34** sealing tubular sleeve **23**. This is to prevent moisture or other detrimental materials from entering tubular sleeve **23** and damaging indicia **22**.

5 Arm securing portion **32** extends into arm receiving end **24** and has a diameter less than the diameter of inner surface **34** and therefore is spaced from inner surface **34**. A bore **38** is formed centrally through collar **27**, extending through outer portion **29**, inner portion **30**, and arm securing portion **32**. Bore **38** has a diameter sufficient to receive arm **14** therethrough. Set screws **39** extend
10 through arm securing portion **32**, into bore **38** and engage arm **14**, securely fixing collar **27** to arm **14**. In this specific embodiment, two set screws are employed separated by approximately 90 degrees. Threaded holes **40** are formed around the outer edge of inner portion **30**, and align with corresponding holes **42** formed through tubular sleeve **23** proximate arm receiving end **24**. Screws (not shown)
15 extend through holes **42** and thread into threaded holes **40**, securely holding tubular sleeve **23** onto collar **27** and thereby, onto arm **14**.

Still referring to FIG. 4, end cap **28** has a diameter substantially equivalent to outer surface **33** of tubular sleeve **23** and is fixed to free end **25**. In this embodiment, end cap **28** is bonded to free end **25** using an adhesive, but
20 substantially any method may be employed to securely attach end cap **28** to free end **25**. A spacer **43** is coupled centrally to the inside of end cap **28** and is configured to extend into tubular sleeve **23** at free end **25**. Spacer **43** is coupled

to end cap 28 by attachment members, such as screws 44, extending through end cap 28 into spacer 43. One skilled in the art will appreciate that an adhesive or other attachment means may be used to fix spacer 43 to end cap 28. Spacer 43 is positioned centrally within tubular sleeve 23 at free end 25, and has a diameter less than the diameter of inner surface 34, thereby creating a space between spacer 43 and inner surface 34. A sheet 45 of material carrying indicia 22 is rolled into a tube with indicia 22 visible on the outer surface thereof, and inserted into tubular sleeve 23. When properly positioned, sheet 45 preferably extends from collar 27 to end cap 28, with its outer surface pressing against inner surface 34. It will be understood that a shorter sheet may be inserted which would not extend from collar 27 to end cap 28, however this is not preferred since this would permit viewing of the interior of tubular sleeve 23.

Tubular sleeve 23 is preferably constructed of a transparent material, through which indicia 22 is visible. Substantially any clear material may be employed for tubular sleeve 23, however, it must be strong enough to withstand repeated contact by individuals passing through the passageway. The preferred material for tubular sleeve 23 is a cast acrylic, an extruded acrylic or polycarbonate. One skilled in the art will understand that while a transparent tubular sleeve 23 containing a sheet 45 is preferred, a tubular sleeve may be employed having indicia directly thereon. Collar 27, and spacer 43, may be constructed of substantially any material, such as metal or plastic. Aluminum is one preferred material. Others include nylon, polyvinylchloride, and Delrin. End

cap 28 may be the same materials, but for purely aesthetic reasons polycarbonate is preferred, since it can be produced in a variety of color options.

Indicia device 20 is easily installed on arm 14 of turnstile 10 without altering the turnstile and without using specialized tools, by first sliding collar 27 onto arm 14 such that arm extends through bore 38. Set screws 39 are tightened, engaging arm 14 and securing collar 27 thereto. Sheet 45, containing indicia 22, is rolled and inserted into tubular sleeve 23 in the proper orientation. Sheet 45 may be formed of substantially any material which can be rolled, and onto which indicia can be placed, such as paper, plastic, photographic paper, metal foils etc. Tubular sleeve 23 containing sheet 45 is received about arm 14 and coupled to collar 27 by inserting screws (not shown) through holes 42 into threaded holes 40. Due to the length of tubular sleeve 23, in order to insure spacing of free end 25 from arm 14, and to stabilize it for contact with individuals passing through the passageway, spacer 43 includes a bore 47 extending therethrough which receives free end 15 of arm 14, thereby positioning and securing free end 25. In this manner, indicia 22 is visible through and protected by tubular sleeve 23. Furthermore, sheet 45 may be easily changed by removing tubular sleeve 23 from collar 27 and replacing sheet 45.

Reference is now made to FIGS. 5 and 6 which illustrate an alternate embodiment of an indicia device incorporating the teachings of the present invention and generally designated by the reference character 50. Indicia device 50 is generally similar to previously described embodiment 20 and is

similarly configured to fit over and enclose arm **14** to display indicia **51**. Indicia device **50** consists of a tubular sleeve **52** having an arm receiving end **53** and a free end **54**. Arm receiving end **53** is closed by a collar **55** configured to receive arm **14** therethrough, and free end **54** is closed by an end cap **57**.

5 With additional reference to FIG. 6, collar **55** includes an arm securing portion **58** and a sleeve securing portion having an outer portion **59**, and an inner portion **60**. Inner portion **60** has a diameter substantially equivalent to the diameter of an inner surface **62** of tubular sleeve **52**, and is received in tubular sleeve **52** at arm receiving end **53**. Outer portion **59** has a diameter substantially
10 equivalent to the diameter of an outer surface **63** of tubular sleeve **52** and engages arm receiving end **53**. A groove **64** is circumscribed around the periphery of inner portion **60** and contains a seal ring **65** which engages inner surface **62** sealing tubular sleeve **52**. As with the previous embodiment, this is to prevent moisture or other detrimental materials from entering tubular sleeve **52**
15 and damaging indicia **51**.

 Arm securing portion **58** has a diameter less than the diameter of inner surface **62** and extends outward from outer member **59**, away from tubular sleeve **52**. A bore **67** is formed centrally through collar **55**, extending through arm securing portion **58**, outer portion **59**, and inner portion **60**. Bore **67** has a
20 diameter sufficient to receive arm **14** therethrough. Set screws **68** extend through arm securing portion **58**, into bore **67** and engage arm **14**, securely fixing collar **55** to arm **14**. In this immediate embodiment, two set screws are

employed separated by approximately 90 degrees. Threaded holes 69 are formed around the outer edge of inner portion 60 and align with corresponding holes 70 formed through tubular sleeve 52 at arm receiving end 53. Screws (not shown) extend through holes 70 and thread into threaded holes 69, securely holding tubular sleeve 52 onto collar 55 and thereby, onto arm 14.

Still referring to FIG. 6, end cap 57 includes an inner portion 72 having a diameter substantially equivalent to the diameter of inner surface 62 and an outer portion 73 having a diameter substantially equivalent to the diameter of outer surface 63. A spacer 74 may be formed integrally with or secured to inner portion 72 and is positioned centrally within tubular sleeve 52 at free end 54. Spacer 74 has a diameter less than the diameter of inner surface 62, thereby creating a space between spacer 74 and inner surface 62. A bore 75 extends through spacer 74 terminating at end cap 57. Bore 75 has a diameter sufficient to receive free end 15 of arm 14 therein. Set screws 77 extend through spacer 74 into bore 75 and engage arm 14, securely fixing spacer 74 to arm 14. In this specific embodiment, two set screws are employed separated by approximately 90 degrees.

In this embodiment, inner portion 72 of end cap 57 is received within free end 54 and has a groove 78 circumscribed about its periphery. Groove 78 contains a seal ring 79 which engages inner surface 62 sealing tubular sleeve 52. As with the previous embodiment, a sheet 80 of material carrying indicia 51 is rolled into a tube with the indicia visible on the outer surface thereof,

and inserted into tubular sleeve 52. When properly positioned, sheet 80 preferably extends from collar 55 to end cap 57, with its outer surface pressing against inner surface 62. It will be understood that a shorter sheet may be inserted which would not extend from collar 55 to end cap 57, however this is not preferred since this would permit viewing of the interior of tubular sleeve 52.

Indicia device 50 is easily installed on arm 14 of turnstile 10 without altering the turnstile and without using specialized tools, by first sliding collar 55 onto arm 14 such that arm 14 extends through bore 67. Sheet 80 of material containing indicia 51 is rolled and inserted into tubular sleeve 52 in the proper orientation. Sheet 80 may be formed of substantially any material which can be rolled, and onto which indicia can be placed, such as paper, plastic, photographic paper, metal foils etc. Tubular sleeve 52 containing sheet 80 is received about arm 14 and coupled to collar 55 by inserting screws (not shown) through holes 70 into threaded holes 69. Spacer 74 and end cap 57 are then positioned with free end 15 of arm 14 received within spacer 74. Set screws 77 are tightened, engaging free end 15 and securing end cap 57 to arm 14. Tubular sleeve 52 is moved outward, towards end cap 57 until outer portion 58 engages free end 54 of tubular sleeve 52. Collar 55 is moved outward toward end cap 57, until outer portion 59 engages arm receiving end 53 of tubular sleeve 52. Set screws 68 are tightened, engaging arm 14 and securing collar 55 thereto. In this manner, tubular sleeve 52 is securely retained between collar 55 and end cap 57

and indicia **51** is visible through and protected by tubular sleeve **52**. Furthermore, sheet **80** may be easily changed.

Referring now to FIG. 7 another embodiment of an indicia device incorporating the teachings of the present invention and generally designated by the reference character **100**, is illustrated. Indicia device **100** is generally similar to previously described embodiments and is similarly configured to fit over and enclose arm **14** to display indicia. Indicia device **100** includes a tubular sleeve **102** having an arm receiving end **103** and a free end **104**. Tubular sleeve **102** is configured to contain indicia as with previously disclosed embodiments. Arm receiving end **103** is closed by a collar **105** configured to receive arm **14** therethrough, and free end **104** is closed by a collar **107**. Collars **105** and **107** engage arm **14** and securely retain tubular sleeve **102** therebetween.

With additional reference to FIGS. 8 and 9, collar **105** includes an arm securing portion **108** and a sleeve securing portion **109**. Arm securing portion **108** is generally cylindrical with an inner surface **110** defining a bore **112** extending from an end **113** to an end **114**, and an outer surface **115**. Bore **112** has a diameter sized to receive arm **14**. Arm securing portion **108** also includes stop means consisting of a radially outwardly projecting lip **117** at end **113**, the purpose of which will be described subsequently. Threaded holes **118** are formed proximate end **114**, and extend inwardly from outer surface **115** to inner surface **110**, communicating with bore **112**. As can be seen with specific

reference to FIG. 9, set screws 119 extend through threaded holes 118 spaced about the circumference of arm securing portion 108, and engage arm 114. In this specific embodiment, four set screws 119 (not all shown) are employed, separated by approximately 45 degrees. A groove 120 is formed in outer surface 115 around the periphery of arm securing portion 108 intermediate ends 113 and 114. Groove 120 has a generally "V" shaped profile and is formed by walls 122 and 123 sloping inward from surface at a 45 degree angle to meet at the bottom.

Sleeve securing portion 109 is generally cylindrical with an inner surface 125 defining a bore 127 extending from and end 128 to an end 129, an outer surface 130, and a split 132 extending from end 128 to end 129 and radially inward from outer surface 130 to inner surface 125. Bore 127 has a diameter sized to receive arm securing portion 108 therein. Outer surface 130 has an inner portion 133 adjacent end 129 and an outer portion 134 adjacent end 128. Inner portion 133 has a diameter less than the diameter of an inner surface 135 of tubular sleeve 102, and is received in tubular sleeve 102 at arm receiving end 103. Outer portion 134 has a diameter substantially equivalent to the diameter of an outer surface 137 of tubular sleeve 102 and abuts arm receiving end 103. Outer portion 134 includes a beveled surface 138 adjacent end 128, sloping inward at an angle such that beveled surface 138 is parallel to wall 123 of groove 120, as can be seen in FIG. 9. In this instance beveled surface 138 slopes at a 45 degree angle. A shoulder 139 is formed between

outer portion **134** and inner portion **133** due to the difference in their respective diameters. A groove **140** is circumscribed around the periphery of collar **105** at the junction between outer portion **134** and inner portion **133** and contains a ring seal **142** which engages inner surface **135** at arm receiving end **103**, sealing arm receiving end **103** of tubular sleeve **102**. Ring seal **142** prevents moisture or other detrimental materials from entering tubular sleeve **102** and damaging indicia contained therein.

Threaded holes **143** are formed around outer portion **134**, extending from beveled surface **138** to bore **127**. Threaded holes **143** are slanted at a 45 degree angle corresponding to the angle of beveled surface **138**. Preferably, three set screws **144** with corresponding threaded holes **143** are evenly spaced around outer portion **134**. Sleeve securing portion **109** is received about arm securing portion **108**, with end **128** abutting lip **117**. While lip **117** retains sleeve securing portion **109**, one skilled in the art will understand that set screws **144** are sufficient to secure sleeve securing portion **109** in position about arm securing portion **108**. When sleeve securing portion **109** is properly positioned, set screws **144** extend through threaded holes **143** and engage wall **123**. As set screws **144** are tightened, they act as a wedge, widening or narrowing split **132**, resulting in a corresponding increase or decrease in the diameter of inner portion **133**. The increased diameter of inner portion **133** securely holds tubular sleeve **102** onto collar **105** and thereby, onto arm **14**.

Still referring to FIGS. 8 and 9, collar **107** includes an arm securing portion **148**. Arm securing portion **147** is generally cylindrical with an inner surface **149** defining a bore **150** extending from an end **152** to an end **153**, and an outer surface having a threaded portion **155** proximate end **153**. Bore **150** has a diameter sized to receive arm **114**. Threaded holes **157** are formed proximate end **152**, and extend inward from outer surface **154** to inner surface **149**, communicating with bore **150**. As can be seen with specific reference to FIG. 9, set screws **158** extend through threaded holes **157** spaced about the circumference of arm securing portion **147**, and engage arm **14**. In this specific embodiment, four set screws **158** (not all visible) are employed, separated by approximately 45 degrees.

Sleeve securing portion **148** is generally cylindrical with an inner surface **160** defining a threaded bore **162** extending from an end **163** to an end **164**, and an outer surface **165**. Threaded bore **162** has a diameter sized to receive end **153** of arm securing portion **147** and threadably engage threaded portion **155**. Outer surface **165** has an inner portion **167** adjacent end **163** and an outer portion **168** adjacent end **164**. Inner portion **167** has a diameter less than the diameter of inner surface **135** of tubular sleeve **102**, and is positioned in tubular sleeve **102** at free end **104**. Outer portion **168** has a diameter substantially equivalent to the diameter of outer surface **137** of tubular sleeve **102** and abuts free end **104**. A shoulder **169** is formed between outer portion **168** and inner portion **167** due to the difference in their respective

diameters. A groove 179 is circumscribed around the periphery of collar 107 at the junction between outer portion 168 and inner portion 167 and contains a ring seal 172 which engages inner surface 135 at free end 104, sealing free end 104 of tubular sleeve 102. As sleeve securing portion 148 is threaded onto end 153 of arm securing portion 147, tubular sleeve 102 is compressed between shoulder 139 and shoulder 169, securely holding tubular sleeve 102 in position.

Indicia device 100 is easily installed on arm 14 of turnstile 10 without altering the turnstile and without using specialized tools, by first sliding collar 105 onto arm 14 such that arm 14 extends concurrently through bores 112 and 127. Set screws 119 are tightened, engaging arm 14 and securing arm securing portion 108 thereto. Indicia is inserted into tubular sleeve 102 in the proper orientation, as described previously. Tubular sleeve 102 containing indicia (not shown) is received about arm 14 with end 103 abutting shoulder 139. Screws 144 are tightened, expanding sleeve securing portion 109 such that end 103 of tubular sleeve 102 is tightly engaged. Collar 107 is received about free end 15 or arm 14. Screws 158 are tightened, securing arm securing portion 147 to arm 14. Sleeve securing portion 148 is then received by arm 14 and threaded onto threaded portion 155, thereby positioning and supporting tubular sleeve 102.

Turning now to FIG. 10, another embodiment of an indicia device, generally designated 200, for use on turnstile 10 and to be received by arms 14, is illustrated. Indicia device 200 is substantially similar to indicia device 100,

including a tubular sleeve **202** having an arm receiving end **203** and a free end **204**, configured to contain indicia, a collar **205** configured to receive arm **14** therethrough and secure arm receiving end **203**, and a collar **207** securing free end **204**. Collars **205** and **207** engage arm **14** and securely retain tubular sleeve **202** therebetween.

With reference to FIGS. 11 and 12, collar **205** includes an arm securing portion **208** and a sleeve securing portion **209**. Arm securing portion **208** is generally cylindrical with an inner surface **210** defining a bore **212** extending from an end **213** to an end **214**, and an outer surface **215**. Bore **212** has a diameter sized to receive arm **14**. Threaded holes **217** are formed proximate end **214**, and extend inward from outer surface **215** to inner surface **212**, communicating with bore **212**. Set screws **218** extend through threaded holes **217** spaced about the circumference of arm securing portion **208**, and engage arm **14**. In this specific embodiment, four set screws **218** (not all visible) are employed, separated by approximately 45 degrees.

Outer surface **215** has an inner portion **220** adjacent end **214** and an outer portion **222** adjacent end **213**. Inner portion **220** has a diameter less than the diameter of an inner surface **223** of tubular sleeve **202**, and is received in tubular sleeve **202** at arm receiving end **203**. Outer portion **222** has a diameter less than the diameter of inner portion **220** and slopes inward, in the direction of bore **212**, toward end **213**. A shoulder **224** is formed between inner portion **220** and outer portion **222** due to the difference in their respective diameters. A pair

of opposing threaded holes **225** are formed into shoulder **224** parallel to bore **212**, the purpose for which will be described presently.

Sleeve securing portion **209** is generally cylindrical with an outer surface **227** and an inner surface **228** defining a bore **229** extending from an end **230** to an end **232** and having a diameter greater than arm **14** at end **230** and expanding toward end **232**. Bore **229** is sized such that its diameter intermediate ends **230** and **232** is equal to the diameter of outer portion **222** at end **213**. A split **233** is formed through a side of sleeve securing portion **209**, extending from end **230** to end **232** and outer surface **227** to inner surface **228**. Outer surface **227** has an inner portion **234** adjacent end **232** and an outer portion **235** adjacent end **230**. Inner portion **234** has a diameter less than the diameter of an inner surface **223** of tubular sleeve **202**, and is received in tubular sleeve **202** at free end **203**. Outer portion **235** has a diameter substantially equivalent to the diameter of an outer surface **237** of tubular sleeve **202** and abuts free end **203**. A shoulder **238** is formed between outer portion **235** and inner portion **234** due to the difference in their respective diameters. A counter sunk opening **236** is formed through sleeve securing portion **209**, extending from end **230** to end **232**. A groove **239** is circumscribed around the periphery of sleeve securing portion **209** at the junction between outer portion **235** and inner portion **234** and contains a ring seal **240** which engages inner surface at arm receiving end **203**, sealing arm receiving end **203** of tubular sleeve **202**.

Still referring to FIGS. 11 and 12, collar **207** includes an arm securing portion **242** and a sleeve securing portion **243**. Arm securing portion **242** is generally cylindrical with an inner surface **244** defining a bore **245** extending from an end **247** to an end **248**, and an outer surface **249**. Bore **245** has a diameter sized to receive arm 14. Threaded holes **250** are from outer surface **249** to inner surface **244**, communicating with bore **245**. Set Screws **252** extend through threaded holes **250** spaced about the circumference of arm securing portion **242**, and engage arm 14. In this specific embodiment, four set screws **252** are employed, separated by approximately 45 degrees. Additional threaded holes **253** are formed through arm securing portion **242** from end **247** to end **248**, parallel to bore **245**.

Sleeve securing portion **243** is positioned adjacent end **248** of arm securing portion **242**, and is generally cylindrical with an inner surface **255** defining a bore **257** extending from an end **258** to an end **259**, and an outer surface **260**. Bore **257** has a diameter sized to receive free end 15 of arm 14. Outer surface **260** has an inner portion **262** adjacent end **258** and an outer portion **263** adjacent end **259**. Inner portion **262** has a diameter less than the diameter of inner surface **223** of tubular sleeve **202**, and is received in tubular sleeve **202** at free end **204**. Outer portion **262** has a diameter substantially equivalent to the diameter of outer surface **237** of tubular sleeve **202** and abuts free end **204**. A shoulder **264** is formed between outer portion **263** and inner portion **262** due to the difference in their respective diameters. A groove **265** is

circumscribed around the periphery of sleeve securing portion **243** at the junction between outer portion **263** and inner portion **262** and contains a ring seal **267** which engages inner surface **223** at free end **204**, sealing free end **204** of tubular sleeve **202**.

5 Sleeve securing portion **243** also includes threaded holes **268** extending from end **258** to end **259** parallel to bore **257**. Screws **269** extend concurrently through threaded holes **268** and threaded holes **253**.

10 Indicia device **200** is easily installed on arm **14** of turnstile **10** without altering the turnstile and without using specialized tools, by first sliding collar **205** onto arm **14** such that arm **14** extends concurrently through bores **229** and **212**. Set screws **218** are tightened, engaging arm **14** and securing arm securing portion **208** thereto. Sleeve securing portion **209** is positioned adjacent arm securing portion **208**, with end **213** received within bore **229**. Tubular sleeve **202** is positioned enclosing arm securing portion **208**, with end **203** abutting shoulder **238**.
15 Screws **270** are inserted through holes **236** into holes **225** and tightened. As screws **270** are tightened, outer portion **222** of outer surface **215** is drawn toward end **230** of sleeve securing portion **209**. The interaction of inner surface **215**, acts as wedge, widening or narrowing split **233**, resulting in a corresponding increase or decrease in the diameter of inner portion **234**.
20 The increased diameter of inner portion **234** securely holds tubular sleeve **202** onto collar **205** and thereby, onto arm **14**.

Collar **207** is then received about free end **15** of arm **14**. When screws **269** are tightened, sleeve securing portion **243** is drawn toward arm securing portion **242**, compressing tubular sleeve **202** between shoulder **238** and shoulder **264**, securely holding tubular sleeve **202** in position.

5 Turning now to FIGS. 13 and 14, another embodiment of an indicia device, generally designated **300**, for use on turnstile **10**, is illustrated. Indicia device **300** differs from the preceding embodiments in that it includes a replacement arm **302**. Arm **302** includes a threaded end **303** and an end **304** adapted to be coupled to conventional turnstiles. Coupling means for coupling
10 arm **302** to a turnstile is not specifically illustrated as conventional means, well known to those skilled in the art, are employed.

In similarity with previous embodiments, indicia device also includes a tubular sleeve **305** having an arm receiving end **207** and a free end **208**, configured to contain indicia, a collar **309** fixed to arm **302** proximate end **304**,
15 and a collar **310** coupled to threaded end **303**. Collar **309** is generally cylindrical with an outer surface **312** and an inner surface **313** defining a bore **314** extending from an end **315** to and end **317**. Bore **314** has a diameter sized to receive arm **302**. Outer surface **312** has an inner portion **318** adjacent end **317** and an outer portion **319** adjacent end **315**. Inner portion **318** has a diameter
20 less than the diameter of an inner surface **320** of tubular sleeve **305**, and is received in tubular sleeve **305** at arm receiving end **307**. Outer portion **319** has a diameter substantially equivalent to the diameter of an outer surface **322** of

tubular sleeve **305** and abuts arm receiving end **307**. A shoulder **323** is formed between outer portion **319** and inner portion **318** due to the difference in their respective diameters. A groove **324** is circumscribed around the periphery of collar **309** at the junction between outer portion **319** and inner portion **318** and contains a ring seal **325** which engages inner surface **320** at arm receiving end **307**, sealing arm receiving end **307** of tubular sleeve **302**. Collar **309** may be attached to arm **302** in many ways, such as welding, use of adhesives, or mechanical means such as a friction pin **327** extending concurrently through inner portion **318**, arm **302**, and back into inner portion **318**.

Collar **310** generally cylindrical with an outer surface **330** and an inner surface **332** defining a threaded bore **333** extending from an end **334** to an end **335**. Bore **314** has a diameter sized to receive arm **302**. Outer surface **312** had an inner portion **337** adjacent end **334** and an outer portion **338** adjacent end **335**. Inner portion **337** has a diameter less than the diameter of inner surface **320** of tubular sleeve **305**, and is received in tubular sleeve **305** at free end **308**. Outer portion **338** has a diameter substantially equivalent to the diameter of outer surface **322** of tubular sleeve **305** and abuts free end **308**. A shoulder **339** is formed between outer portion **338** and inner portion **337** due to the difference in their respective diameters. A groove **340** is circumscribed around the periphery of collar **310** at the junction between outer portion **338** and inner portion **337** and contains a ring seal **342** which engages inner surface **320** at free end **308**, sealing free end **308** of tubular sleeve **302**. Collar is threaded

onto threaded end **303**, compressing and securing tubular sleeve **305** between shoulder **323** and shoulder **339**.

Turning now to FIGS. 15 and 16, and again to FIG. , a preferred embodiment of the indicia device, generally designated **400**, for use on turnstile **10** and to be received by the arms **14**, is illustrated and described herein. The device **400** includes a transparent tubular sleeve **402** having opposing threaded ends **403**, **404** for receiving a collar **405** at each of the ends **403**, **404**. As illustrated with reference to FIG. 15, the collar **405** is intended to be identical for each tubular sleeve end **403**, **404**, which provide economy and ease in the operation and installation of the invention. As earlier described with reference to alternate embodiments of the present invention, the sleeve **402** is configured to receive the arm **14** therethrough. For the embodiment illustrated with reference to FIGS. 15 and 16, the collars **405** secure the sleeve **402** to the arm **14**.

Again with reference to FIGS. 15 and 16, the collar **405** includes a bore **406** for receiving the arm **14**. The collar **405** further includes threaded holes **408** formed into a shoulder **410** about the periphery of the collar **405** through which set screws **412** are threaded. The bore **406** is dimensioned for loosely receiving the arm **14**. The set screws **412** can be biased against the arm **14** for frictionally securing the collar **405** to the arm **14**. However, in the preferred embodiment herein described with reference to FIGS. 15 and 16, a compression ring **414** is received by the arm **14** and is positioned between the

arm 14 and collar 405. As illustrated again with reference to FIG. 16, a peripheral portion of each collar 405 includes a threaded bore 407 which receives the threaded sleeve ends 403, 404. The bore 407 terminates at a shoulder surface 409 within the collar 405. The shoulder surface 409 acts as a stop for the sleeve ends 403, 404 and a seal as the sleeve ends 403, 404 are threaded into the collar 405.

In operation, a portion of the compression ring 414 is positioned within bore 406 for communication with the set screws 412. Further, the compression ring 414 includes a split 415 formed within its wall for permitting the ring 414 to reduce its inside diameter as the screws 412 are biased against the ring 414. As the screws 412 are threaded toward the arm 14, the ring 414 compresses, causing the ring 414 to be removably secured to the sleeve 402. The ring 414 is secured to the collar 405, and thus the sleeve 402 secured to the arm 14.

The sleeve 402, as was earlier described for alternate embodiments, provides a gap 416 or space between the arm 14 and a sleeve inside surface 418 thus permitting the sheet 45 having indicia 22 thereon to be viewed from the passageway 16 described with reference to FIGS. 1 and 2. Various steps can be taken to place the indicia 22 for viewing by persons moving through the passageway 16. By way of example, it is anticipated that the sheet 45 containing the indicia 21, will be rolled up and inserted into position within the sleeve 402. With the compression ring 414 loosely fitted into the collar bore 406,

one ring **414** and collar **405** combination is threaded onto each end **403**, **404** of the sleeve **402**. The assembled device **400** is then slipped onto the arm **14** from its free end **15**. The device **400** is rotated about the arm **14** for positioning the indicia **22** for viewing by persons moving through the passageway **16**. The set
5 screws **412** are tightened for securing the device **400** to the arm **14** as earlier described

As described, this invention may be embodied in many different forms and the detailed description of a particular form should not be construed as limiting the embodiments set forth herein. Rather, these embodiments are
10 provided so that this disclosure will be thorough and complete, and will fully convey the scope of the invention to those skilled in the art.

The tubular sleeves of the preceding embodiments are preferably constructed of a transparent material through which the indicia is visible, although opaque material may be used with indicia printed thereon. Substantially any
15 clear material may be employed for a tubular sleeve, however, it must be strong enough to withstand repeated contact by individuals passing through the passageway. The preferred material for a tubular sleeve is cast acrylic, an extruded acrylic or polycarbonate. One skilled in the art will understand that while a transparent tubular sleeve **23** containing a sheet **45** is preferred, a tubular
20 sleeve may be employed having indicia directly thereon or attached to the outer surface thereof. As earlier described, each of the collars may be constructed of substantially any material, such as metal or plastic.

Other features not specifically illustrated have been contemplated for use with the indicia devices described previously. These include lighting installed within the tubular member to back light indicia contained therein.

Various changes and modifications to the embodiments herein chosen
5 for purposes of illustration will readily occur to those skilled in the art. To the extent that such modifications and variations do not depart from the spirit of the invention, they are intended to be included within the scope thereof which is assessed only by a fair interpretation of the following claims.

Having fully described the invention in such clear and concise terms
10 as to enable those skilled in the art to understand and practice the same, the invention claimed is:

What is claimed is:

1 1. A turnstile comprising:
2 a housing;
3 an arm rotatably carried by the housing, the arm extending into
4 a passageway adjacent the housing;
5 a cover removably fixed to the arm; and
6 indicia carried by the cover, the indicia positioned for viewing
7 by persons moving through the passageway.

1 2. The turnstile according to Claim 1, further comprising a sheet
2 having the indicia thereon, the sheet inserted within the cover for viewing the
3 indicia therethrough.

1 3. The turnstile according to Claim 1, wherein the cover comprises
2 a transparent portion for viewing the indicia therethrough.

1 4. The turnstile according to Claim 1, wherein the cover comprises
2 a transparent tubular sleeve.

1 5. The turnstile according to Claim 1, further comprising coupling
2 means for coupling the cover to the arm.

1 6. The turnstile according to Claim 5, wherein the coupling means
2 comprises:

3 a collar configured to adjustably and securely engage the arm;
4 and
5 an attachment member for attaching the cover to the collar.

1 7. The turnstile according to Claim 6, wherein the collar includes:

2 an arm securing portion for coupling the collar to the arm;
3 a cover securing portion for securing the cover means to the
4 collar; and

5 a bore extending through the arm securing portion and the
6 cover securing portion for receiving the arm.

7 8. The turnstile according to Claim 5, wherein the coupling means
8 comprises:

 a compression ring configured to adjustably engage the arm;
 a collar for receiving the cover; and

 biasing means carried by the collar, the biasing means
engageable with the compression ring for moving the ring from a first position
wherein the arm is loosely received by the ring to a second position wherein the
ring is removably secured to the arm, thus securing the cover to the arm.

1 9. The turnstile according to claim 8, wherein the biasing means
2 comprises the collar having threaded holes spaced about the collar periphery,
3 and set screws adjustable within the holes for extending from the collar to the
4 ring for biasing against the ring and thus placing the ring into frictional contact
5 with the arm.

1 **10.** A turnstile for carrying indicia, the turnstile comprising:
2 a housing;
3 an arm rotatably carried by the housing for extending the arm
4 into a passageway;
5 a tubular sleeve removably fixed to the arm; and
6 indicia carried by the sleeve, the indicia positioned for viewing
7 by persons moving through the passageway.

1 **11.** The turnstile according to Claim 10, further comprising a sheet
2 having the indicia thereon, the sheet inserted within the sleeve for viewing the
3 indicia therethrough.

1 **12.** The turnstile according to Claim 11, wherein the tubular sleeve
2 comprises a transparent portion through which the indicia is viewed.

1 **13.** The turnstile according to Claim 10, further comprising coupling
2 means for coupling the sleeve to the arm.

1 **14.** The turnstile according to Claim 13, wherein the coupling
2 means comprises:

3 a collar configured to adjustably and securely engage the arm;
4 and

5 an attachment member for attaching the sleeve to the collar.

1 15. The turnstile according to Claim 14, wherein the collar includes:

2 an arm securing portion for coupling the collar to the arm;

3 a sleeve securing portion for securing the sleeve to the collar;

4 and

5 a bore extending through the arm securing portion and the

6 sleeve securing portion for receiving the arm.

1 16. The turnstile according to Claim 13, wherein the coupling
2 means comprises:

3 a compression ring configured to adjustably engage the arm;

4 a collar for receiving the tubular sleeve; and

5 biasing means carried by the collar, the biasing means
6 engageable with the compression ring for moving the ring from a first position
7 wherein the arm is loosely received by the ring to a second position wherein the
8 ring is removably secured to the arm, thus securing the sleeve to the arm.

1 17. The turnstile according to claim 16, wherein the biasing means
2 comprises the collar having threaded holes spaced about a collar periphery, and
3 set screws adjustable within the holes for extending from the collar to the ring for

4 biasing against the ring and thus placing the ring into frictional contact with the
5 arm.

1 **18.** A turnstile indicia device comprising:
2 a cover configured to be removably affixed to a turnstile arm,
3 the arm extending into a passageway; and
4 indicia carried by the cover, the indicia positioned for viewing
5 by persons moving through a passageway.

1 **19.** The turnstile device according to Claim 18, further comprising
2 a sheet having the indicia thereon, the sheet inserted within the cover for viewing
3 the indicia therethrough.

1 **20.** The turnstile device according to Claim 18, wherein the cover
2 comprises a transparent portion for viewing the indicia therethrough.

1 **21.** The turnstile device according to Claim 18, wherein the cover
2 comprises a transparent tubular sleeve.

1 **22.** The turnstile device according to Claim 18, further comprising
2 coupling means for coupling the cover to the arm.

1 **23.** The turnstile device according to Claim 22, wherein the
2 coupling means comprises:

3 a collar configured to adjustably and securely engage the arm;
4 and
5 an attachment member for attaching the cover to the collar.

1 **24.** The turnstile according to Claim 23, wherein the collar includes:
2 an arm securing portion for coupling the collar to the arm;
3 a cover securing portion for securing the cover means to the
4 collar; and
5 a bore extending through the arm securing portion and the
6 cover securing portion for receiving the arm.

1 **25.** The turnstile device according to Claim 22, wherein the
2 coupling means comprises:
3 a compression ring configured to adjustably engage the arm;
4 a collar for receiving the cover; and
5 biasing means carried by the collar, the biasing means
6 engageable with the compression ring for moving the ring from a first position
7 wherein the arm is loosely received by the ring to a second position wherein the
8 ring is removably secured to the arm, thus securing the cover to the arm.

1 **26.** The turnstile device according to claim 25, wherein the biasing
2 means comprises the collar having threaded holes spaced about the collar

3 periphery, and set screws adjustable within the holes for extending from the
4 collar to the ring for biasing against the ring and thus placing the ring into
5 frictional contact with the arm.

1 27. A method of displaying indicia on a turnstile having an arm
2 extending into a passageway, the method comprising the steps of:

3 affixing a cover onto a turnstile arm, the arm rotatably
4 connected to a turnstile housing for rotation about the housing, the arm extending
5 into a passageway through which persons move; and

6 positioning indicia on the cover for viewing by persons moving
7 through the passageway.

1 28. The method according to Claim 27, further comprising the steps
2 of:

3 providing a collar configured to adjustably and securely engage
4 the arm;

5 securing the collar onto the arm; and

6 securing the cover to the collar for the indicia positioning step.

1 29. The method according to Claim 28, wherein the cover securing
2 step includes screwing a cover end into a threaded collar peripheral portion.

1 30. The method according to Claim 28, further comprising the steps
2 of:

3 placing a compression ring over the arm;

4 receiving the compression ring within the collar;

5 securing the collar to the compression ring; and
6 placing the ring into frictional contact with the arm for the
7 securing cover step.

1 **31.** The method according to Claim 30, wherein the steps of
2 securing the collar to the compression ring and placing the ring into frictional
3 contact with the arm include the steps of:

4 threading set screws through the collar of communicating with
5 the compression ring; and
6 biasing the screws against the compression ring.

1 **32.** The method according to Claim 27, wherein the cover affixing
2 step comprises the steps of:

3 placing the indicia on a sheet surface; and
4 inserting the sheet between the arm and the cover for viewing
5 the indicia through a cover transparent portion.

1 **33.** A method of displaying indicia on a turnstile having an arm
2 extending into a passageway, the method comprising the steps of:
3 connecting an arm to a housing for rotation about the housing;
4 extending the arm into a passageway;
5 placing a tubular sleeve onto the arm; and
6 positioning indicia on the sleeve for viewing the indicia from the
7 passageway.

1 **34.** The method according to Claim 33, further comprising the steps
2 of:
3 providing a collar configured to adjustably and securely engage
4 the arm;
5 securing the collar onto the arm; and
6 securing the tubular sleeve to the collar for the indicia
7 positioning step.

1 **35.** The method according to Claim 34, further comprising the steps
2 of:
3 placing a compression ring over the arm;
4 receiving the compression ring within the collar;
5 securing the collar to the compression ring; and

6 placing the ring into frictional contact with the arm for the
7 sleeve securing step.

1 36. The method according to Claim 35, wherein the collar securing
2 and ring placing steps further include the steps of:

3 threading set screws through the collar of communicating with
4 the compression ring; and

5 biasing the screws against the compression ring.

1 37. The method according to Claim 33, wherein the sleeve placing
2 step comprises the steps of:

3 placing the indicia on a sheet surface; and

4 inserting the sheet within the tubular sleeve for viewing the
5 indicia therethrough.

ABSTRACT OF THE DISCLOSURE

A turnstile device, useful in advertising, provides viewing of indicia to persons moving through the turnstile passageway. The device includes a transparent, tubular sleeve within which a sheet carrying the indicia is placed. The tubular sleeve is removably attached to arms of the turnstile using a collar which provides coupling of the sleeve to the turnstile arm.

5

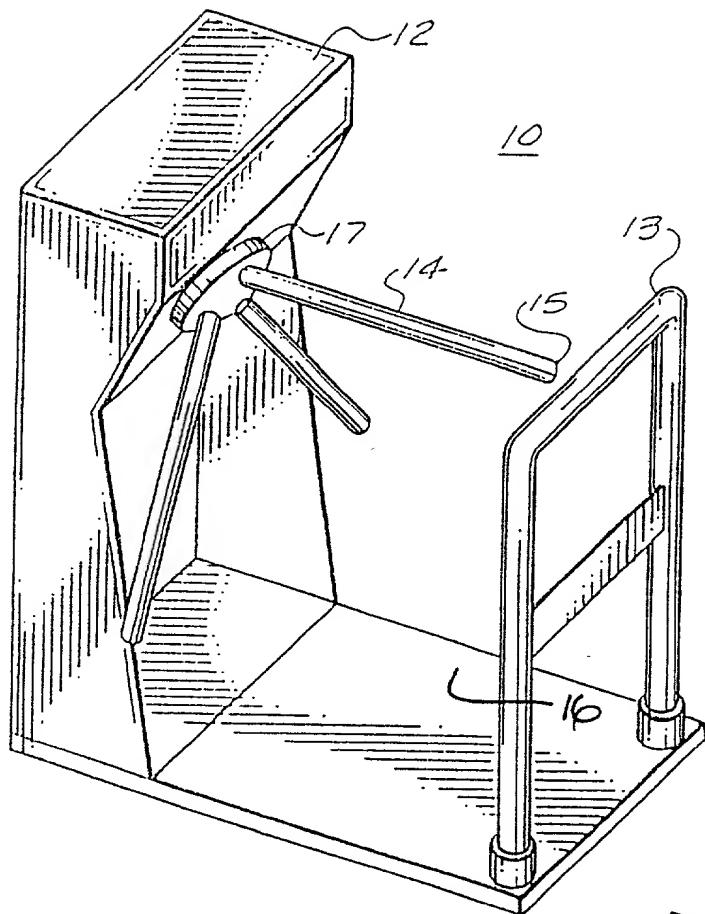


FIG. 1

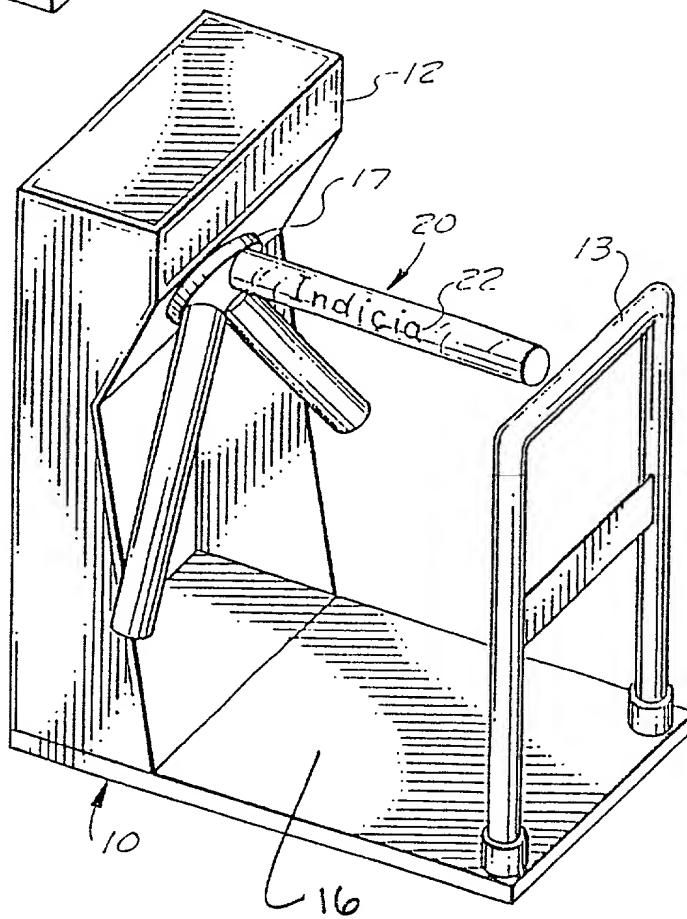


FIG. 2

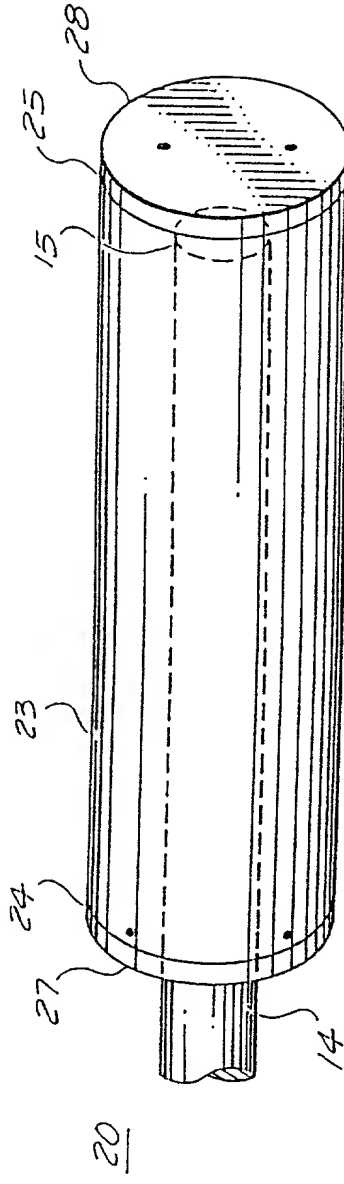


FIG. 3

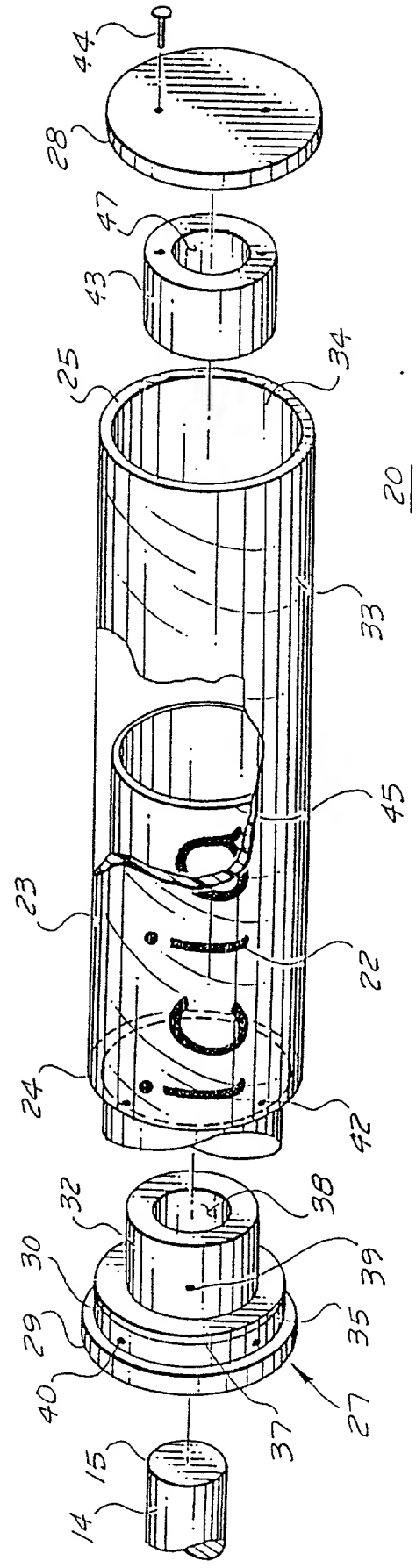


FIG. 4

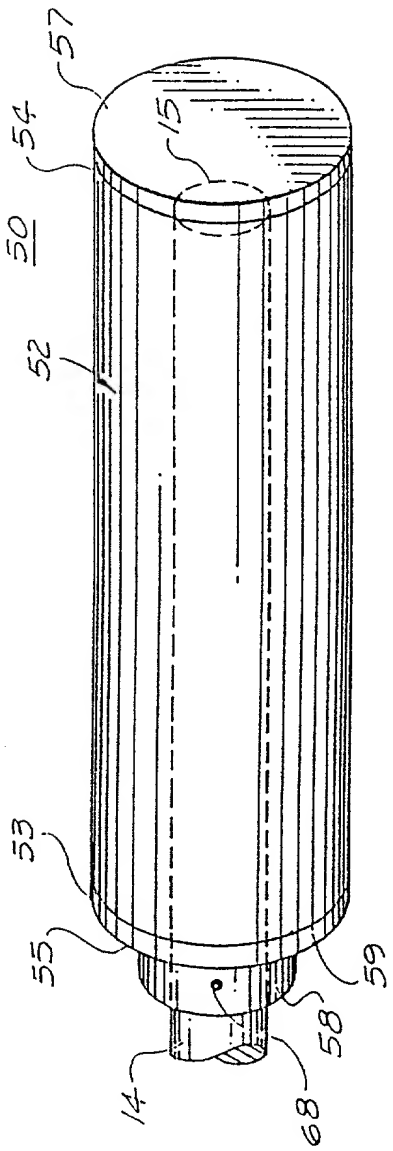


FIG. 5

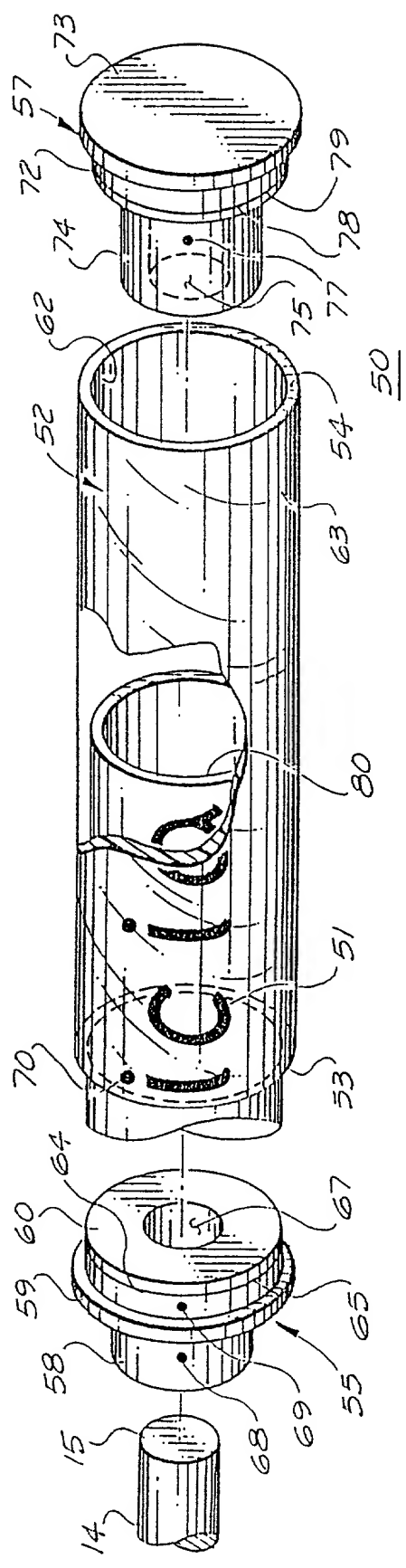


FIG. 6

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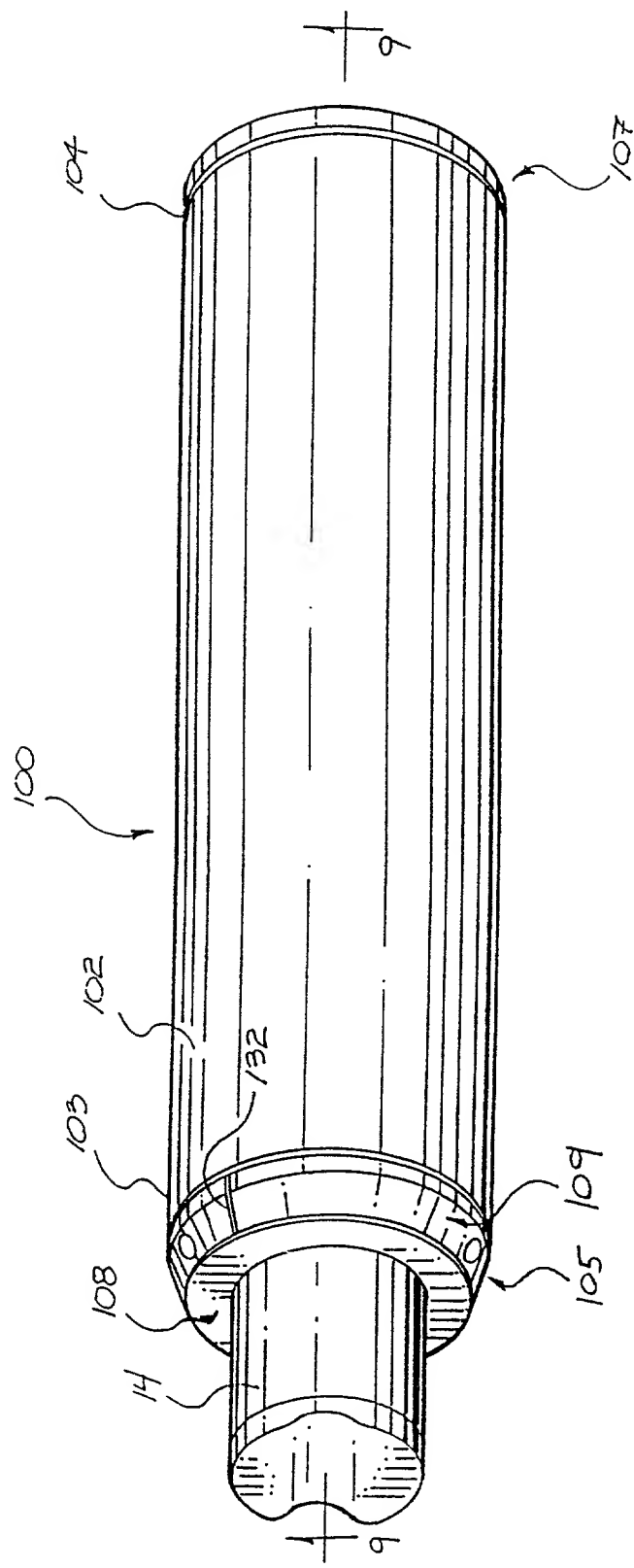


FIG. 7

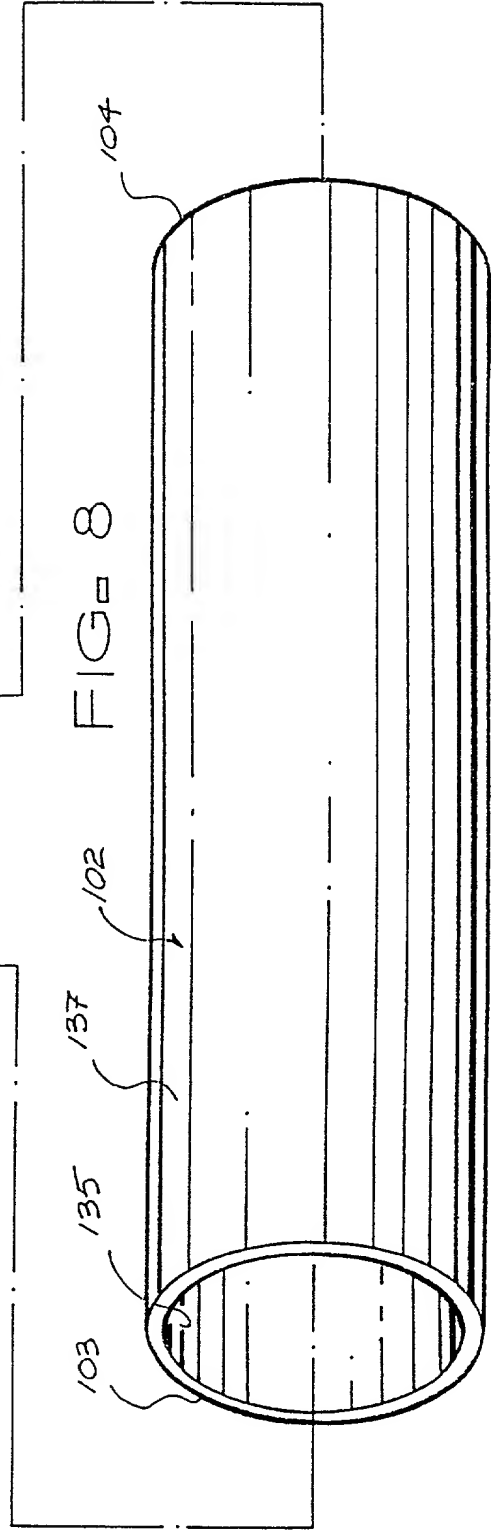
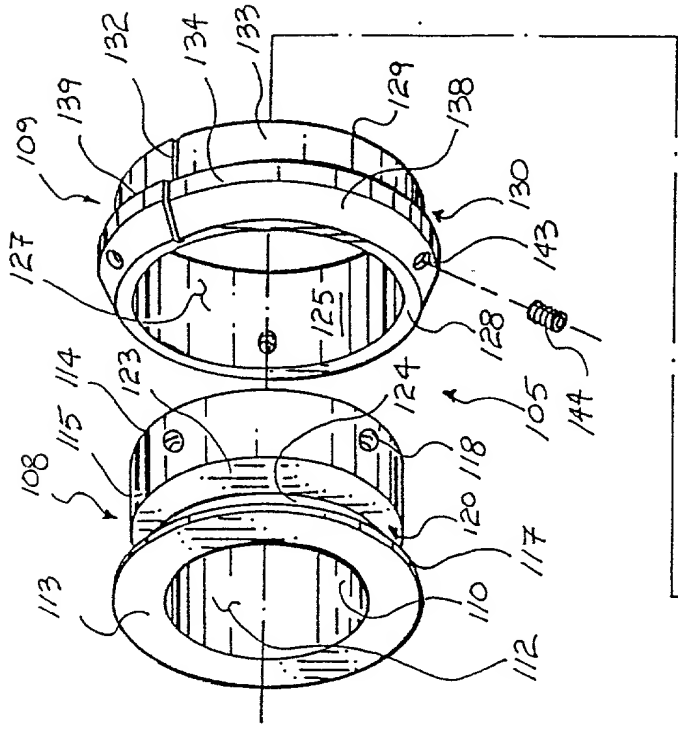
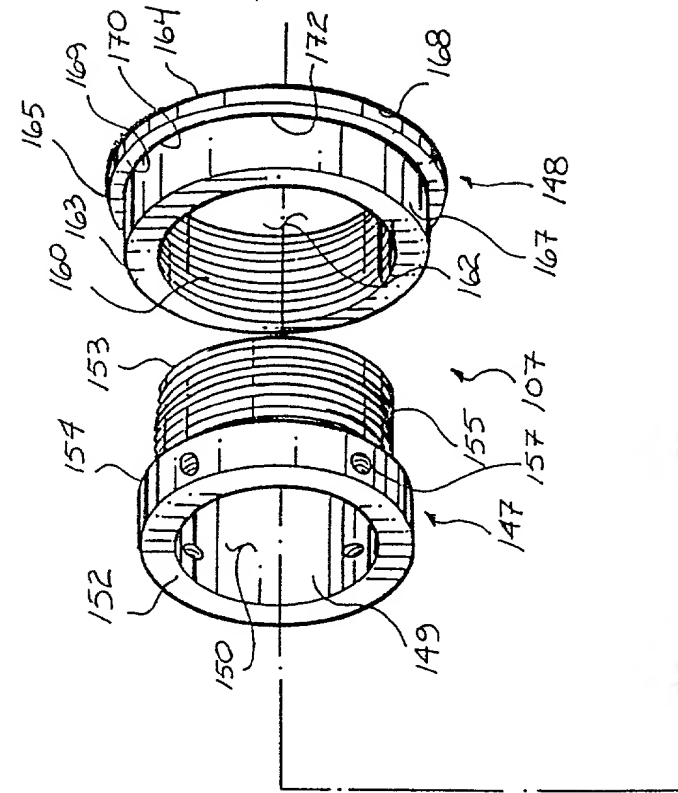
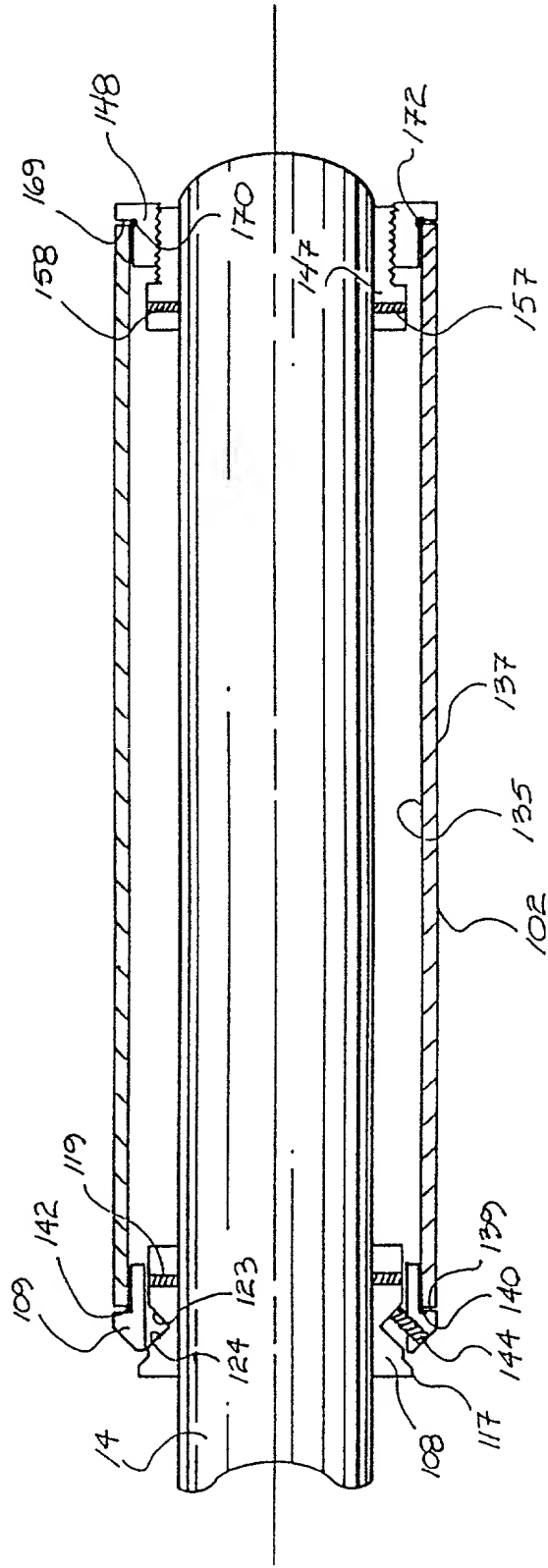


FIG. 8



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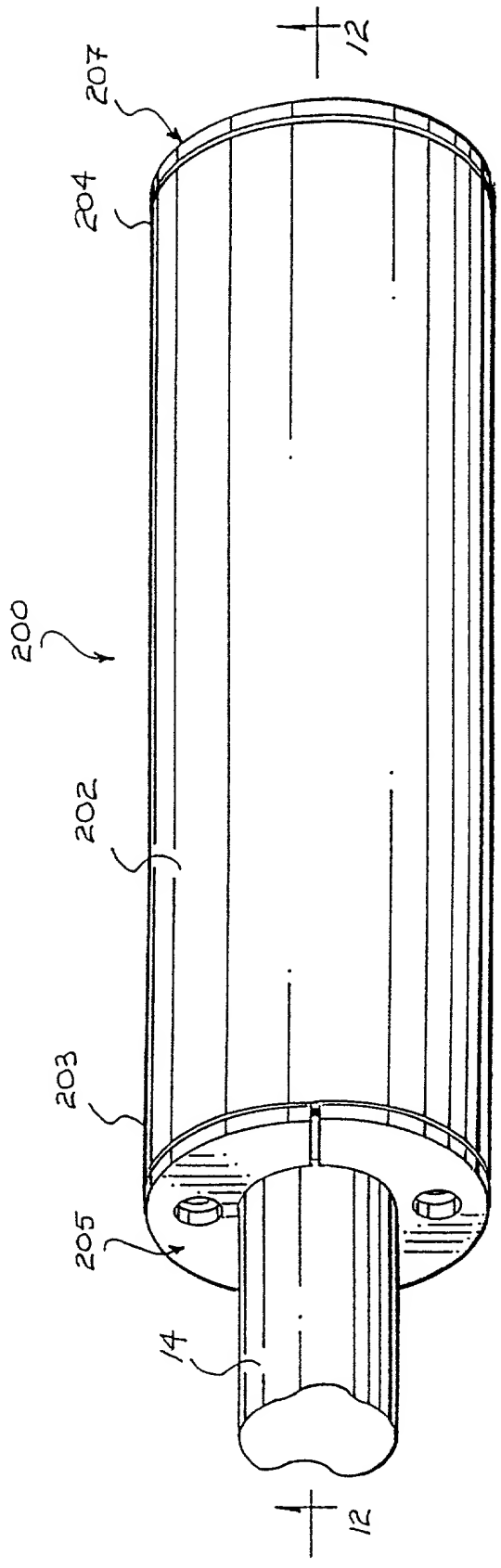
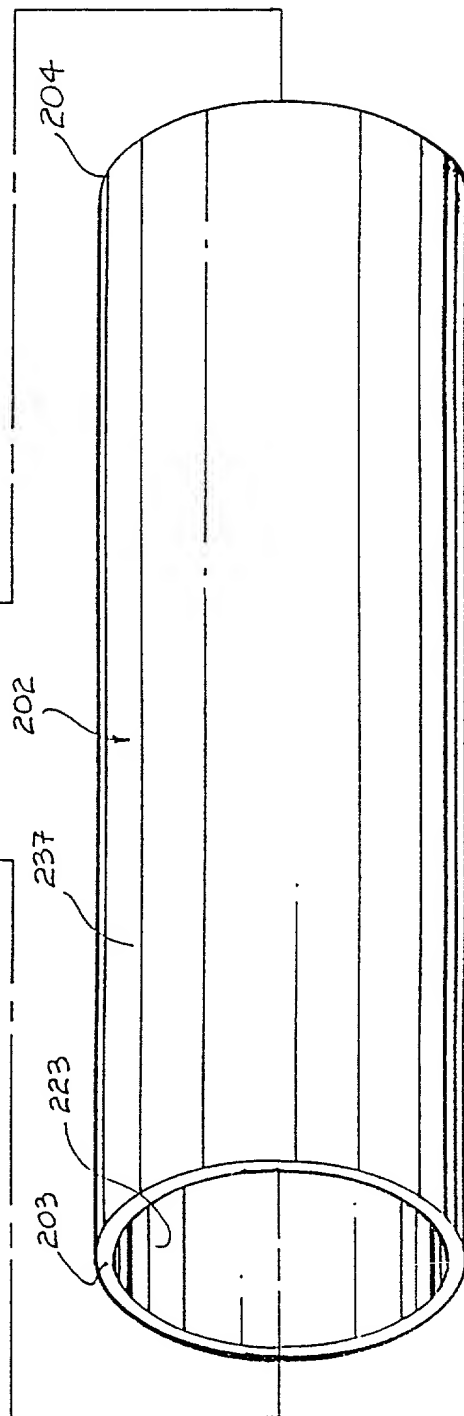
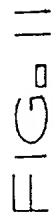


FIG. 10



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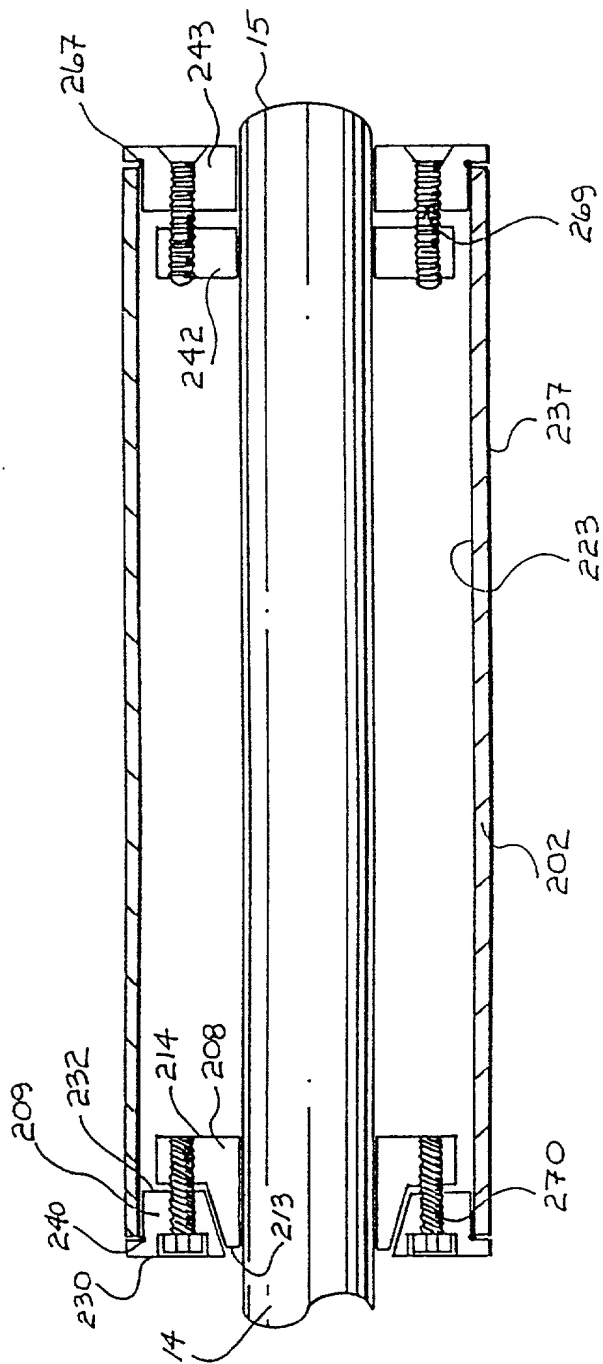


FIG. 12

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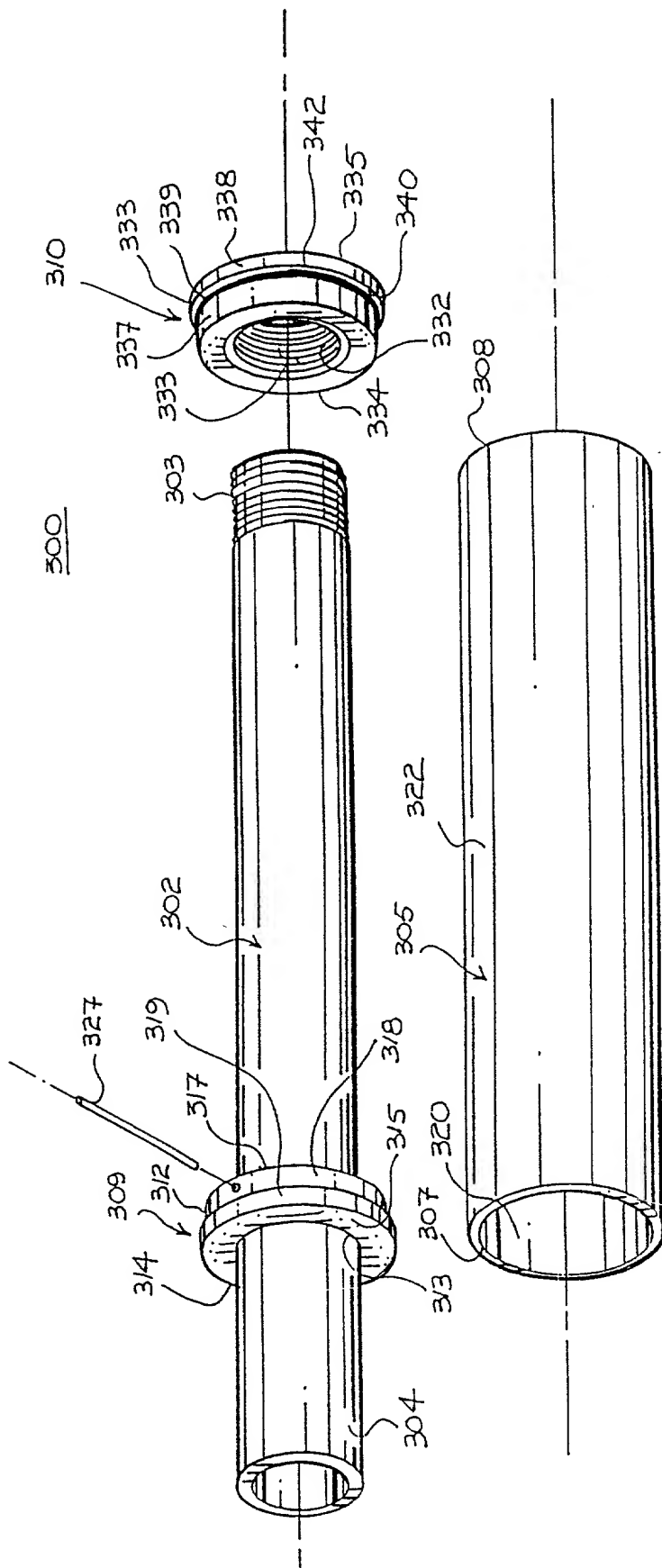


FIG. 13

FIG. 14 is a cross-sectional view of the device of FIG. 13, taken along line 14-14 of FIG. 13, showing the device in a closed position.

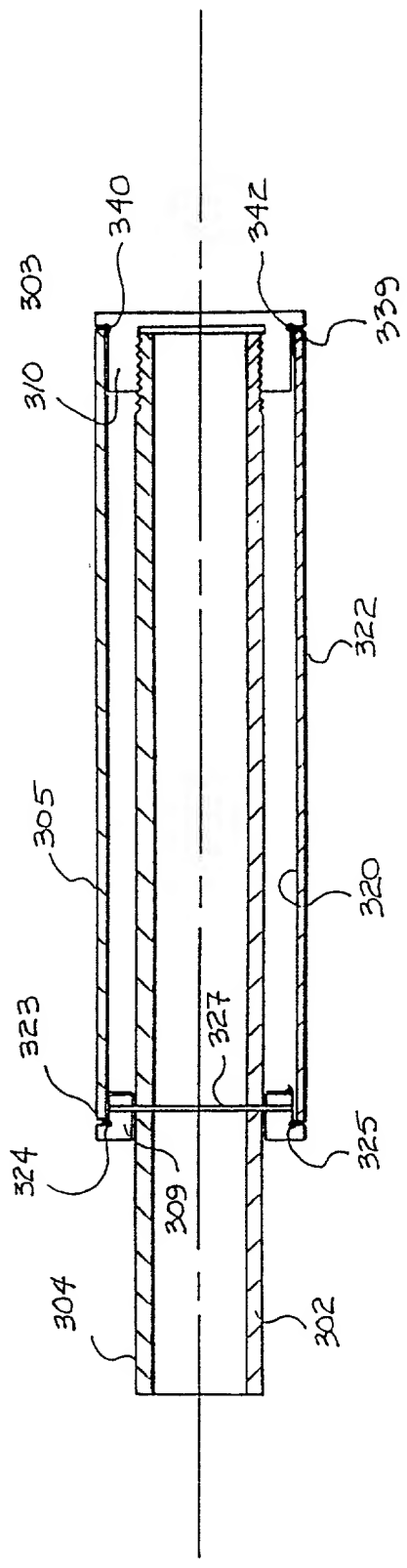
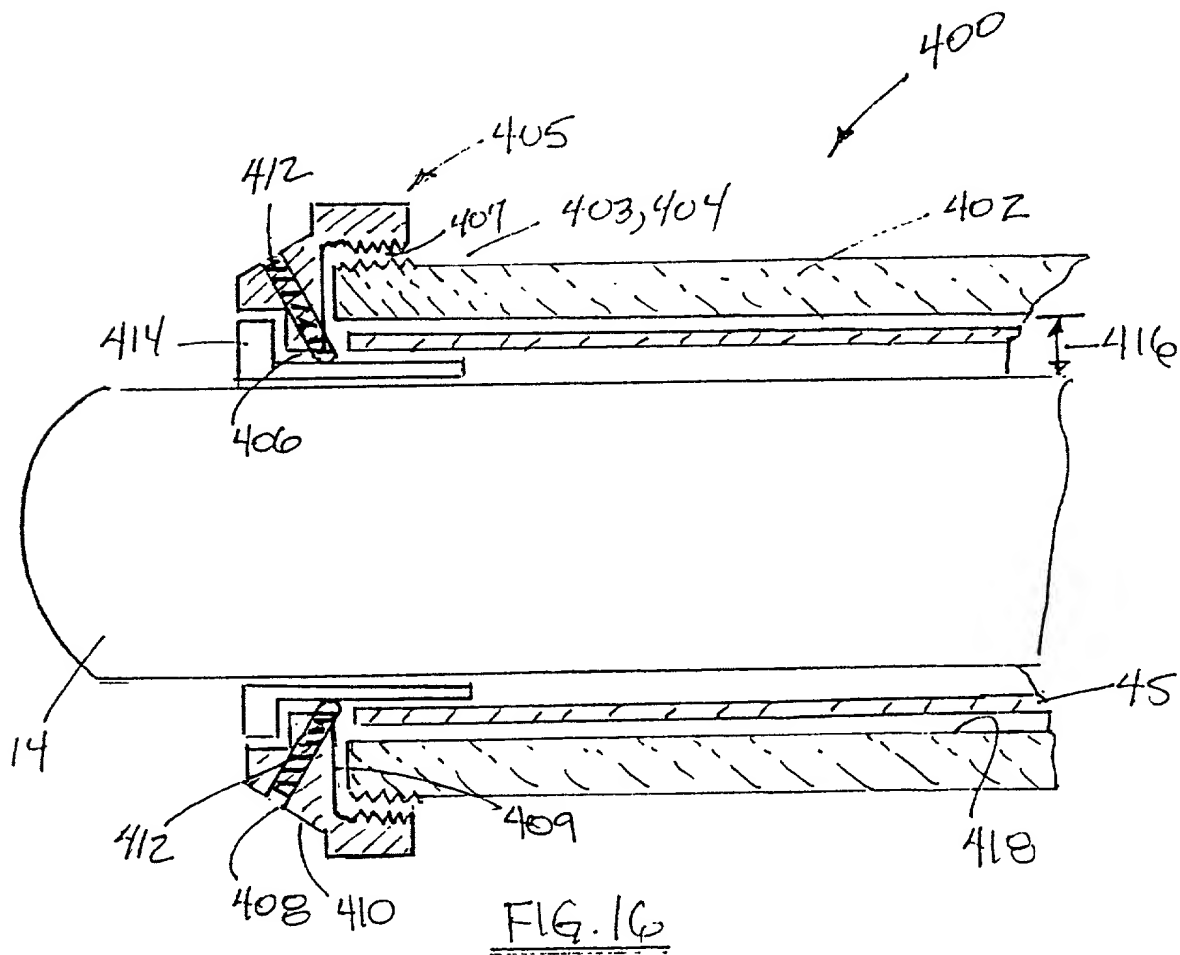
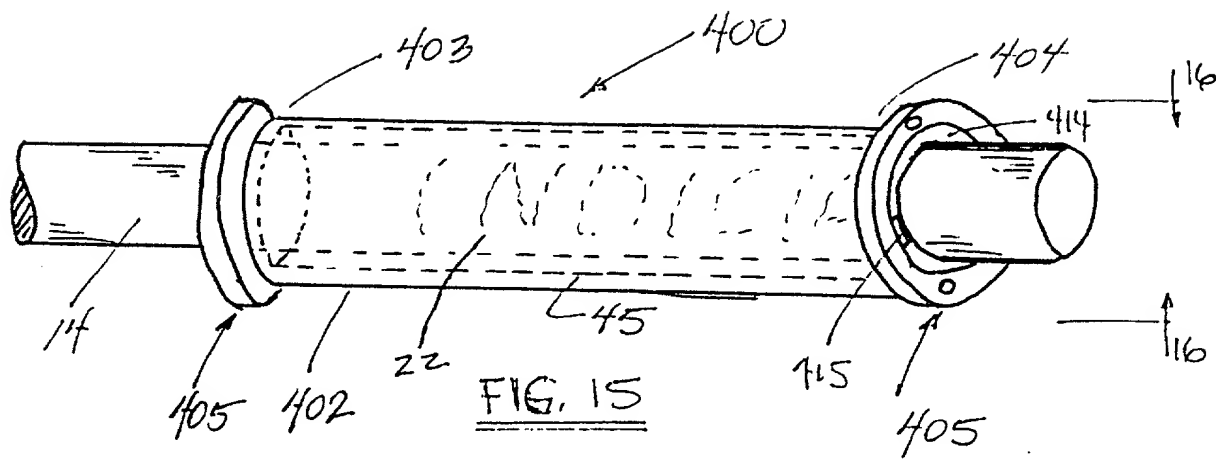


FIG. 14



DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

INDICIA DEVICE FOR TURNSTILE AND METHOD OF USE,
the specification of which:

(check one)

☒ is attached hereto

☐ was filed on _____

as Application Serial No. _____

and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulation, 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the of the application on which priority is claimed:

Prior Foreign Application

Priority Claimed

(Number)

(Country)

(Day/Month/Year Filed)

Yes

No

I hereby claim the benefit under Title 35, United States Code, 120, of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

(Application Serial No.)

(Filing Date)

(Status)

(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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